# 24-Port 10/100Mbps + 2-Gigabit TP/SFP Combo Managed Ethernet Switch

**Cost-effective Solution with SNMP Monitor for Network Deployment**

Not only for catering to the need of easy WEB-based management but also the centralized SNMP application to monitor the status of Switch and traffic per port, PLANET releases the cost-effective Managed Switch, the FGSW-2620VM. The key features are as below:

• 802.1Q VLAN • Rapid Spanning Tree • IGMP Snooping
• 802.1X Authentication / RADIUS • Access Control List
• SNMP monitor and SNMP Trap

**High Performance Wire-Speed Switching**

The PLANET FGSW-2620VM offers 24 10/100Mbps Fast Ethernet ports with 2 Gigabit TP/SFP combo ports (Port-25, 26). These two Gigabit TP/SFP combo ports can be either 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Factor Pluggable) interface. The PLANET FGSW-2620VM boasts a high performance switch's architecture that is capable of providing non-blocking switch fabric and wire-speed throughput as high as 8.8Gbps. Its two built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the Core switches or Servers.

**Remote and Centralize Management Installation**

Affording the current network to grow and expand, the PLANET FGSW-2620VM provides advanced WEB and SNMP management interface to fill this kind of demand. With its built-in Web-based management, the FGSW-2620VM offers an easy-to-use, platform-independent management and configuration facility. The FGSW-2620VM supports standard Simple Network Management Protocol (SNMP) and can be monitored via any standard-based management software.

For efficient management via WEB interface, the FGSW-2620VM can be programmed for management functions, such as port speed configuration, Port Trunking, VLAN, Port Mirroring, Rapid Spanning Tree and Misc Configuration. Additionally, the firmware includes advanced features, such as IGMP snooping, QoS (Quality of Service), broadcast storm and bandwidth control, to enhance bandwidth utilization.

**Powerful Security**

The PLANET FGSW-2620VM offers comprehensive Access Control List (ACL) for enforcing security to the edge. Its protection mechanisms comprises of port-based 802.1X user and device authentication. Moreover, the Switch provides MAC filter, Static MAC and IP Security as well. The administrators can now construct highly secured corporate networks with considerably less time and effort than before.

## KEY FEATURE

### *Physical Ports*

- 24-Port 10/100Mbps Fast Ethernet Switch
- 2-Port Gigabit TP/SFP combo ports

### *Layer 2 Features*

- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3ab Gigabit Ethernet standard
- Each Switching ports supports auto-negotiation-10/20, 100/200Mbps
- Auto-MDI / MDI-X detection on each RJ-45 port
- Prevents packet loss with back pressure (Half-Duplex) and 802.3x PAUSE frame Flow Control (Full-Duplex)
- Store and Forward architecture, broadcast storm control, runt / CRC filtering eliminates erroneous packets to optimize the network bandwidth
- 8K MAC address table, automatic source address learning and ageing
- Port-Based VLAN and IEEE 802.1Q Tagged VLAN
- IEEE 802.3ad Port trunk with LACP and Static Port Trunk
- Rapid spanning tree protocol IEEE 802.1w
- IGMP snooping and IGMP Query mode for Multicast application
- Broadcast storm filter
- Port mirroring allows to monitor the traffic across any port in real time

### *Quality of Service*

- Supports QoS and bandwidth control on each port
- IEEE 802.1p class of service; supports Strict and WRR mode

### *Security*

- Supports Access Control List function
- MAC Filter and Static MAC
- IP Security for management security
- IEEE 802.1x Port-Based authentication

### *Management*

- Web interface for Switch basic management and setup
- Supports SNMP v1 Switch management
- SNMP trap for interface Link Up and Link Down notification
- 19-inch rack mount size
- EMI standards comply with FCC, CE class A

## Specification

| Product | 24-Port 10/100Mbps + 2-Gigabit TP/SFP Combo Managed Ethernet Switch |
|---|---|

| | | |
|---|---|---|
| Model | FGSW-2620VM | |
| Hardware Specification | | |
| Ports | 24 10/100Base-TX RJ-45 Auto-MDI / MDI-X ports | |
| Module Slots | 2 Gigabit TP/SFP combo ports | |
| Switch Processing Scheme | Store-and-Forward | |
| Throughput (Packet Per Second) | 6.547Mpps | |
| Switch Fabric | 8.8Gbps | |
| Address Table | 8K entries | |
| Share Data Buffer | 512K Bytes | |
| Flow Control | Back pressure for Half-Duplex, IEEE 802.3x Pause Frame for Full-Duplex | |
| Dimensions | 440 x 120 x 44 mm, 1U height | |
| Weight | 1.87kg | |
| Power Requirement | 100~240V AC, 50-60 Hz | |
| Power Consumption / Dissipation | 13.5 Watts maximum / 46 BTU / hr maximum | |
| Temperature | Operating: 0~50 degree C, Storage -40~70 degree C | |
| Humidity Operating | 10% to 90%, Storage: 5% to 95% (Non-condensing) | |
| Layer 2 Function | | |
| System Configuration | Web interface, SNMP v1 | |
| Port Status | Display per port's disable / enable status<br>Link status, Flow control status and speed duplex mode per port | |
| Port Configuration | Per port disable / enable, Auto-negotiation disable / enable<br>Flow control disable / enable and bandwidth control on each port | |
| Trunk Configuration | Supports 13 groups of 8-Port trunk | |
| VLAN Configuration | IEEE 802.1Q Tag-Based VLAN and Port-based VLAN<br>Supports maximum up to 26 VLAN groups | |
| Spanning Tree Protocol | IEEE 802.1w Rapid Spanning Tree | |
| Port Monitoring | One Mirroring port to monitor one mirrored port<br>The monitor modes are RX, TX and RX and TX both | |
| IGMP Snooping | Supports v1 and v2 protocol<br>Supports IGMP Querier | |
| QoS Configuration | IEEE 802.1p QoS on each port; 4 priority queues per port | |
| Port Counters | Display detail traffic counters on each port | |
| Rate Limit | Inbound Rate Limit and Outbound Traffic shaping; allow per 1Mbits setting | |
| Access Control List | Supports up to 16 Access Control list groups | |
| SNMP MIBs Supported | RFC-1213 MIB II | |
| Standards Conformance | | |
| Regulation Compliance | FCC Part 15 Class A, CE | |
| Standards Compliance | IEEE 802.3 | 10Base-T Ethernet |
| | IEEE 802.3u | 100Base-TX Fast Ethernet |
| | IEEE 802.3ab | 1000Base-T Gigabit Ethernet |
| | IEEE 802.3z | 1000Base-SX/LX Gigabit Ethernet |
| | IEEE 802.3x | Full-Duplex Flow Control |
| | IEEE 802.1p | Class of Service |
| | IEEE 802.1X | Port-Based Authentication |
| | IEEE 802.1Q | Tag-Based VLAN |
| | IEEE 802.1w | Rapid Spanning Tree |

## Applications

### *Workgroup Switch*

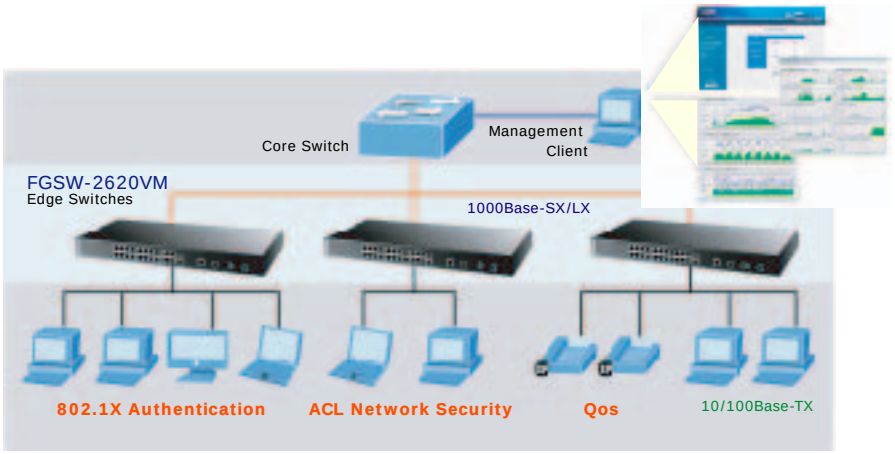
With 24 10/100Mbps ports and 2 Gigabit TP/SFP combo ports, the Switch provides a cost-effective and high-performance solution for SMB and campus networks.

### *Department Switch*

With its 8.8 Gigabits per second and non-blocking switch fabric, the FGSW-2620VM can easily provide a local, high bandwidth, Fast Ethernet network for departmental backbone. With these two Gigabit TP/SFP combo ports, the FGSW-2620VM provides the uplink to the backbone network through either Fast Ethernet fiber-optic or Gigabit Ethernet SX/LX modules.

### *MTU Switch*

In an MTU / MDU application, the advanced functionality of the FGSW-2620VM eliminates traditional problems associated with Ethernet. Using the built-in VLAN functionality can segregate users. The flexible fiber module options make the FGSW-2620VM be one of the best and most cost-effective switch solutions for multi-tenant service providers.




## Ordering Information

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|---|---|
| *FGSW-2620VM* | 24-Port 10/100Mbps +2 Gigabit TP/SFP Combo Managed Ethernet Switch |

## Related SFP Modules

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|---|---|
| *MGB-GT* | SFP-Port 1000Base-T mini-GBIC module |
| *MGB-SX* | SFP-Port 1000Base-SX mini-GBIC module |
| *MGB-LX* | SFP-Port 1000Base-LX mini-GBIC module |
| *MGB-L30* | SFP-Port 1000Base-LX mini-GBIC module -30km |
| *MGB-L50* | SFP-Port 1000Base-LX mini-GBIC module -50km |
| *MGB-L70* | SFP-Port 1000Base-LX mini-GBIC module -70km |
| *MGB-L120* | SFP-Port 1000Base-LX mini-GBIC module -120km |
| *MGB-LA10* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM,10km |
| *MGB-LB10* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM,10km |
| *MGB-LA20* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM,20km |
| *MGB-LB20* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM,20km |
| *MGB-LA40* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM,40km |
| *MGB-LB40* | SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM,40km |



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